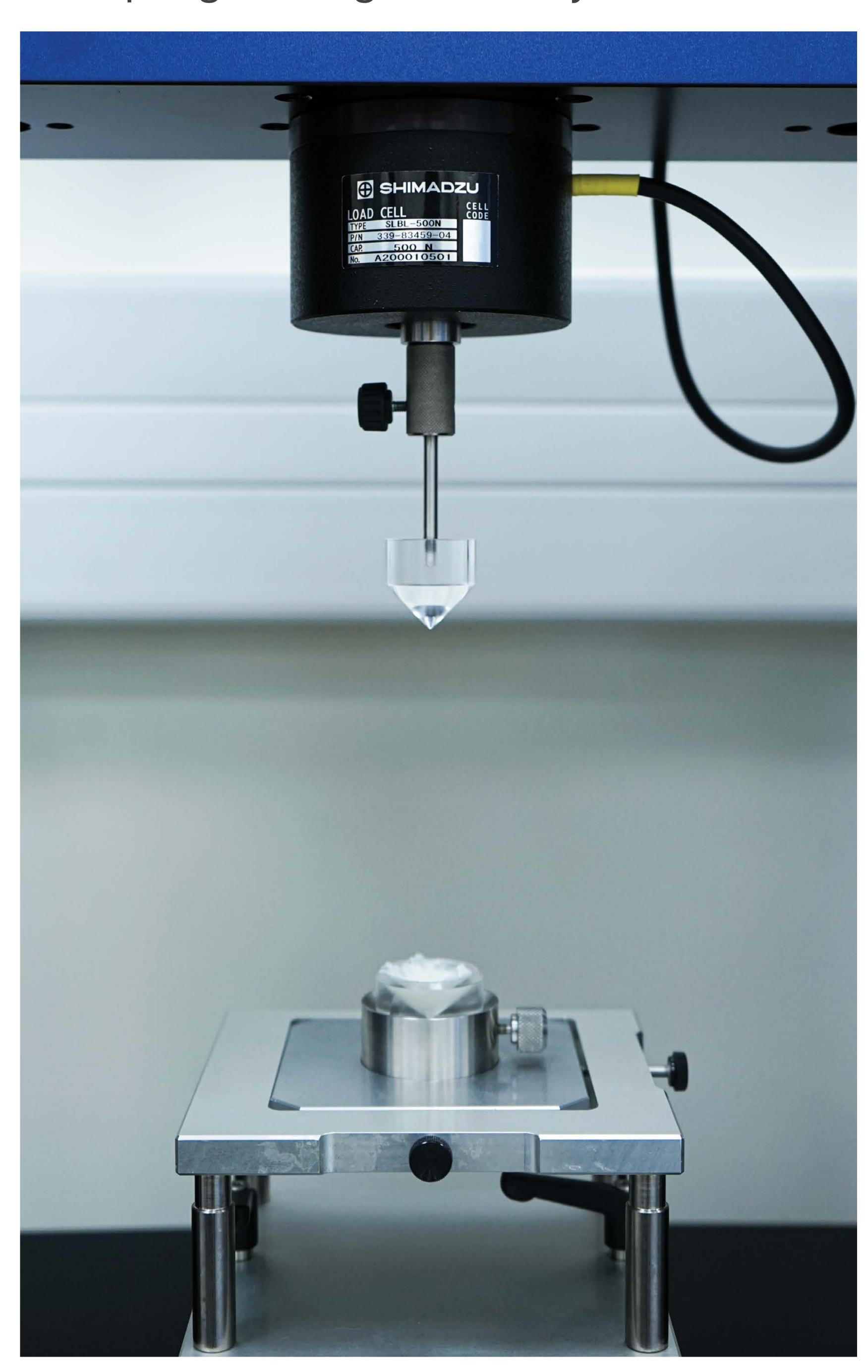


UNIVERSAL MATERIALS TESTING

The highest class of testing machine in the industry

The universal testing machine is a premium instrument designed for exceptional accuracy and efficiency in research and development (R&D), as well as quality assurance (QA) and quality control (QC) processes across various industries.

This equipment features a high rigidity frame, multiprocessors, high-speed sampling and high-accuracy automatic control.





+ Features

Testing speed 0.0005 to 3,000 mm/min
Load cells available: 50 N, 500 N and 5 kN
Large space for sample handling and exchange of
accessories

Multitude of testing

(compression, traction, bending, cutting, spreadability, TPA)

Temperature control depending on the set-up (-5 to 90 °C)

Trapezium-V™ Software provides customisable templates and automated result report generation capabilities...

+ Suggested applications

Food products/Textures
Pharmaceuticals
Medical devices, and household items
Electrical/electronic parts
Fibers, papers, and films
Plastics and rubbers



MECHANICAL/TEXTURE TESTING SERVICES

What we deliver?

A draft report will be sent for review to then be considered finalised after 1 week with non-response and an invoice for payment will be submitted. If requested we will proceed with a follow-up discussion with the client to review results and address questions.

We also deliver a detailed report containing: summary of results and experimental details (e.g., tables, overlays plots, etc.); Listing of primary results to highlight trends; Excel files of the raw data.

Commonly Requested Assays

Compression or Tensile

- Texture Profile Analysis
- Yield Stress
- Adhesion / Adhesive Force
- Hardness
- Break
- Practical Simulation Testing
- Traction tests
- Material displacement
- Methods compliance (e.g., ASTM D638; ISO527;
 ISO1798 Tensile Test for Flexible Material)

Texture Profile Analysis

